INSTALLATION MANUAL

AM3-B
Universal Swingout Arm

c(UL)us
LISTED

9531-007-021-01

Table of Contents

Warning Statements

WARNING: PREMIER MOUNTS DOES NOT WARRANT AGAINST DAMAGE CAUSED BY THE USE OF ANY PREMIER MOUNTS PRODUCT FOR PURPOSES OTHER THAN THOSE FOR WHICH IT WAS DESIGNED OR DAMAGE CAUSED BY UNAUTHORIZED ATTACHMENTS OR MODIFICATIONS, AND IS NOT RESPONSIBLE FOR ANY DAMAGES, CLAIMS, DEMANDS, SUITS, ACTIONS OR CAUSES OF ACTION OF WHATEVER KIND RESULTING FROM, ARISING OUT OF OR IN ANY MANNER RELATING TO ANY SUCH USE, ATTACHMENTS OR MODIFICATIONS.

WARNING: THE WALL STRUCTURE MUST BE CAPABLE OF SUPPORTING A MINIMUM 160 LBS. IF NOT, THE WALL STRUCTURE MUST BE REINFORCED. PROPER INSTALLATION PROCEDURE BY A QUALIFIED SERVICE TECHNICIAN, AS OUTLINED IN THE INSTALLATION INSTRUCTIONS, MUST BE ADHERED TO. FAILURE TO DO SO COULD RESULT IN SERIOUS PERSONAL INJURY, OR EVEN DEATH.

WARNING: SAFETY MEASURES MUST BE PRACTICED AT ALL TIMES DURING THE INSTALLATION OF THIS PRODUCT. USE PROPER SAFETY GEAR AND TOOLS FOR THE INSTALLATION PROCEDURE TO PREVENT PERSONAL INJURY.

WARNING: PRIOR TO THE INSTALLATION OF THIS PRODUCT, THE INSTALLATION INSTRUCTIONS SHOULD BE READ AND COMPLETELY UNDERSTOOD. THE INSTALLATION INSTRUCTIONS MUST BE READ TO PREVENT PERSONAL INJURY AND PROPERTY DAMAGE. KEEP THESE INSTALLATION INSTRUCTIONS IN AN EASILY ACCESSIBLE LOCATION FOR FUTURE REFERENCE.

Indicates that the power plug is to be disconnected from the power outlet.

Contact Premier Mounts with any questions - (800) 368-9700

Safety precautions must be taken at all times.

Warning and Caution statements.

It is recommended that a maximum of 5/8" plaster board be used when mounting to wooden studs.

Do not install on a structure that is prone to vibration, movement or chance of impact. Failure to do so could result in damage to the flat panel display and/or damage to the mounting surface.

Do not install near heater, fireplace, direct sunlight, air conditioning or any other source of direct heat energy. Failure to do so may result in damage to the flat panel display and could increase the risk of fire.
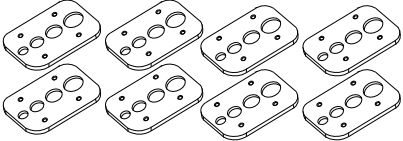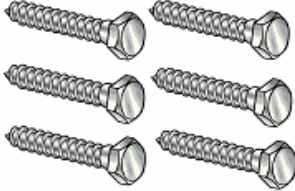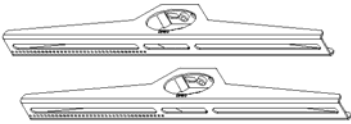
At least two qualified people should perform the installation procedure. Injury and/or damage can result from dropping or mishandling the flat panel display.

Parts List

NOTE: This wall mount is shipped with all proper installation hardware and components. Make sure that none of these parts are missing and/or damaged before beginning installation. If there are parts missing and/or damaged, please stop the installation and contact Premier Mounts (800-368-9700).

Swingout Arm (Qty 1)	Griplates™ (Qty 8)
5/16" Flat Washers (Qty 6)	5/16" x 3" Lag Bolts (wooden studs only) (Qty 6)
Universal Mounting Bracket (Qty 2)	

Installation Tools

Phillips Head Screw Driver	Soft Material/ Blanket	1/2" Socket and Wrench
Pencil	Tape Measure	Drill Gun
Level (Supplied)	Thread Depth Indicator (Supplied)	Template
¼" Drill Bit (Pilot Holes)	5/32" Allen Wrench (Supplied)	14mm Socket (Supplied)

M4 x 16 (Qty 8)

M6 x 20 (Qty 8)
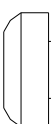
M4 x 25 (Qty 8)

M6 x 30 (Qty 8)
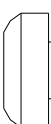
M5 x 12 (Qty 8)

M6 x 45 (Qty 8)

M5 x 16 (Qty 8)

M8 x 20 (Qty 8)

M5 x 20 (Qty 8)

M8 x 25 (Qty 8)

M5 x 25 (Qty 8)

M5 x 50 (Qty 8)

M8 x 30 (Qty 8)

M6 x 16 (Qty 8)

M8 x 35 (Qty 8)

M8 x 45 (Qty 8)

M8 x 70 (Qty 4)

Nylon spacers and flat washers' actual size
NOTE: The nylon spacers may be stacked to achieve proper spacing.
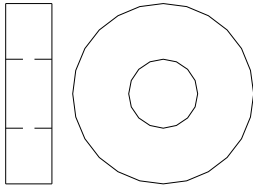
1/4" Nylon spacers
(large)
(Qty 8)
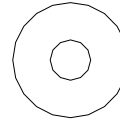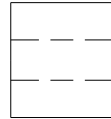
9/16" Nylon spacers
(Qty 8)
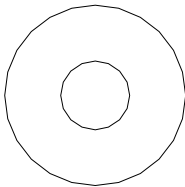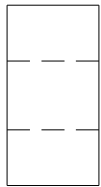
1/2" Nylon spacers
(large)
(Qty 12)
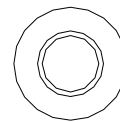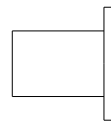
Nylon sleeves
(Qty 8)
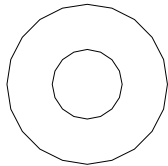
5/16" Flat washers
(metal)
(Qty 8)
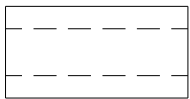
1" Nylon spacers
(Qty 8)
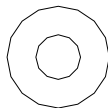
1/4" Nylon spacers
(small)
(Qty 8)

Thread Depth Indicator

1. Insert the thread depth indicator (supplied) through the thread inserts found on the back of the flat panel to make sure the inserts measure the same full depth and mark it (Figure 1).
2. Locate the correct diameter screw for the thread insert. Compare your marking to the screws (supplied).
3. If your selected screw is longer than the marking on the thread depth indicator, DO NOT USE this screw.
4. The screw length must not bypass the marking. Select another screw size (Figure 2 and 3), until you find one that comes closest to your mark without going past.

Inverted flat panel display

Marking the depth

Thread

Thread depth indicator

Figure 1

Screw   Thread depth indicator

Marking

Figure 2

Screw   Thread depth indicator

Marking
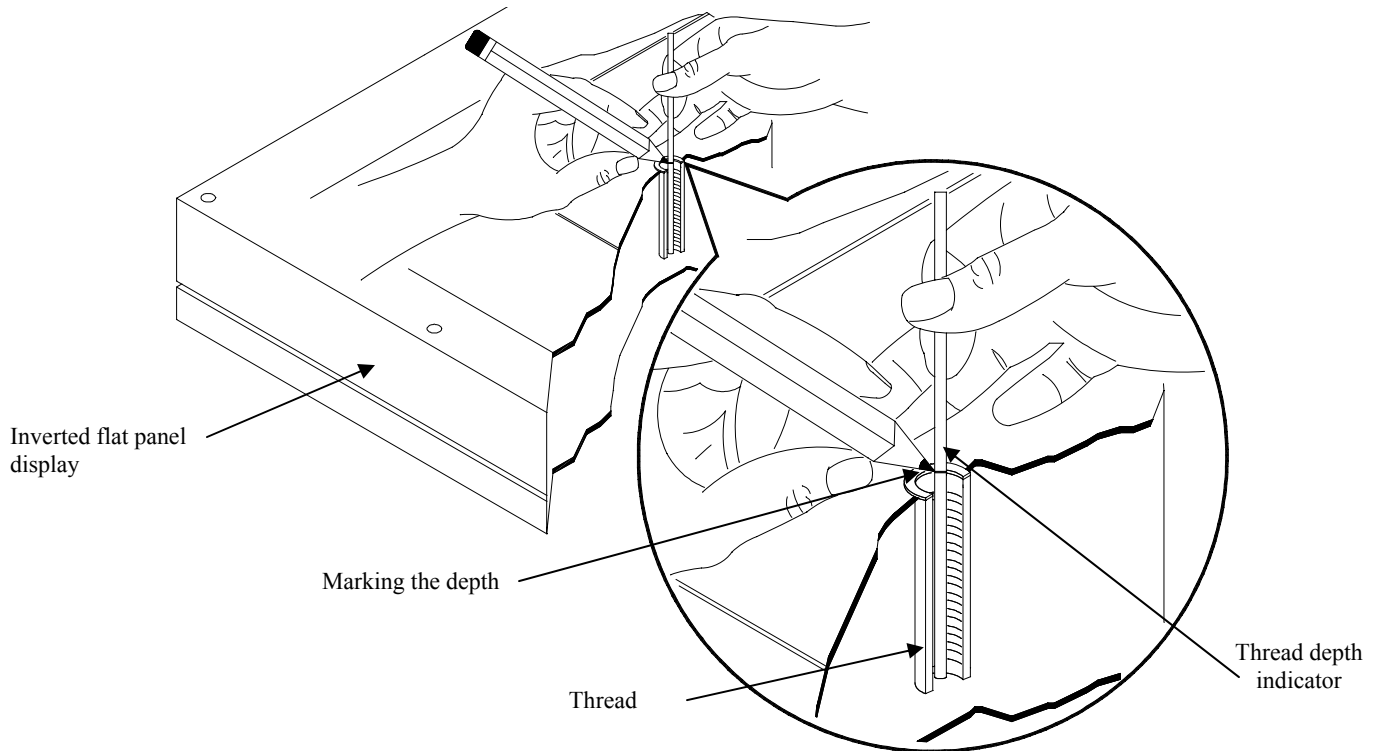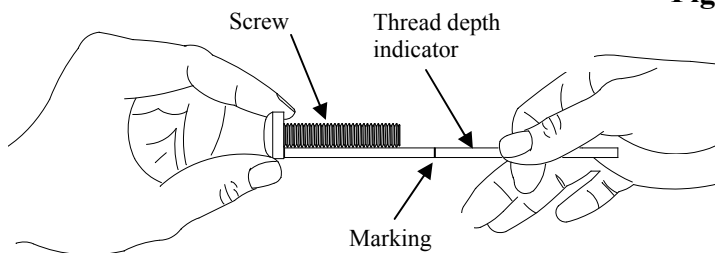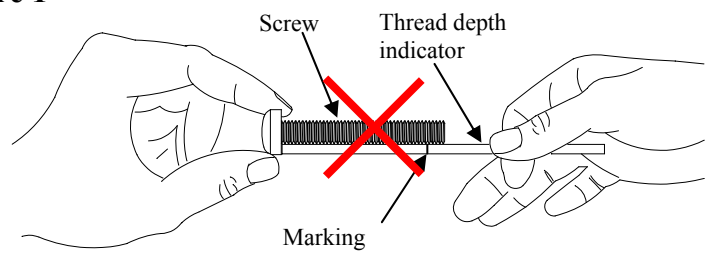
Figure 3

Mount Orientation

The AM3-B Plasma Mount has the built-in capability of mounting with the swingout arm on either the left or right-hand side.

WARNING: WHEN MOUNTING THE AM3-B, THE SIDE THAT THE SWINGOUT ARM IS LOCATED ON MUST HAVE A LAG BOLT MOUNTED ON AT LEAST ONE SIDE (SEE FIGURE 4), TOP AND BOTTOM.

1.   To change the mount orientation, choose the desired side that the mount will open to, left or right.
2.   Once the side has been determined, attach the mount to the wall.

Wood Studs
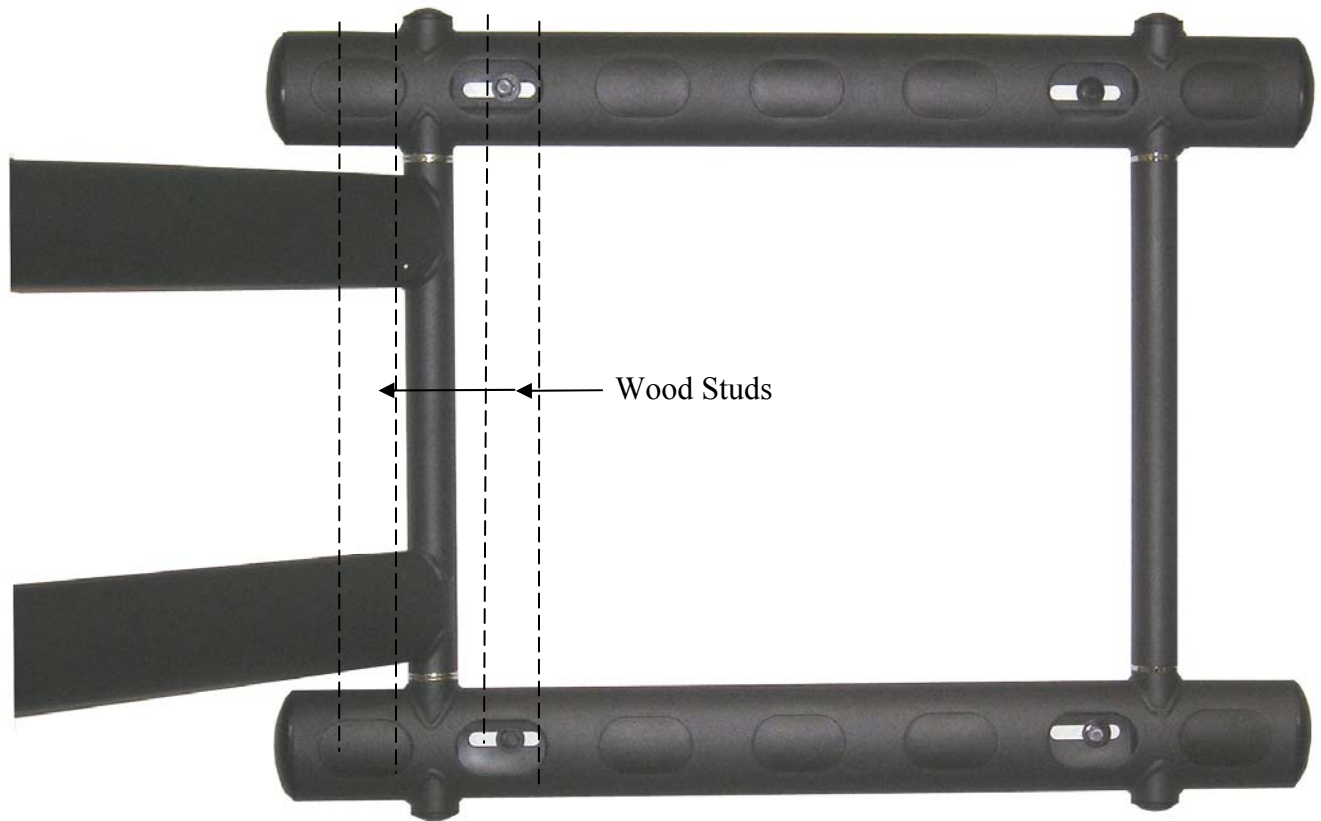
Figure 4

Left Side Orientation   **Right Side Orientation**

Figure 5

Mount Installation

NOTE: Before proceeding with the mount installation, you should already have the mounting holes pre-drilled. Please use the template (supplied) and follow the instructions.

NOTE: For ease of installation, it is recommended that two people perform the installation.

WARNING: WHEN MOUNTING THE AM3-B, THE SIDE THAT THE SWINGOUT ARM IS LOCATED ON MUST HAVE A LAG BOLT MOUNTED ON AT LEAST ONE SIDE (FIGURE 4, PAGE 8), TOP AND BOTTOM.

1. After the holes have been pre-drilled, line up the mounting slot openings with the pre-drilled holes.
2. Insert four (4) 5/16" x 3" lag bolts (or six, depending on your mount location) and washers into the mounting holes and tighten (Figure 6).
3. Before tightening down the lag bolts, place a level (supplied) on the top rail and make sure that the mount is level. Once the mount is level, tighten all of the lag bolts using a 1/2" deep set socket.

5/16" x 3" Lag Bolts and Washers
(wood stud installation only)

Figure 6

Concrete Mount Installation

NOTE: Concrete anchors must be used for concrete installation. They can be purchased at your local hardware store.

1. Begin by placing the mount into position against the wall, keeping it level.
2. Mark off four holes to be used for securing the mount.
3. Next, drill holes using the appropriate masonry bit for your anchors.
4. Insert a concrete anchor into each hole.
5. If necessary, a hammer can be used to lightly tap each anchor into place so that they are flush with the wall.
6. Once all of the anchors are in place, move the mount into position (over each anchor).
7. Attach the nut onto the threaded shaft that is protruding from the wall.
8. Do not tighten until all nuts are in place.

Nose Piece Orientation

Rotate Nose 180°
counter-clockwise

Left Hand Orientation   **Figure 7**   Right Hand Orientation

Tension Bolts

Back Side of Nose Piece   Front Side of Nose Piece

Figure 8
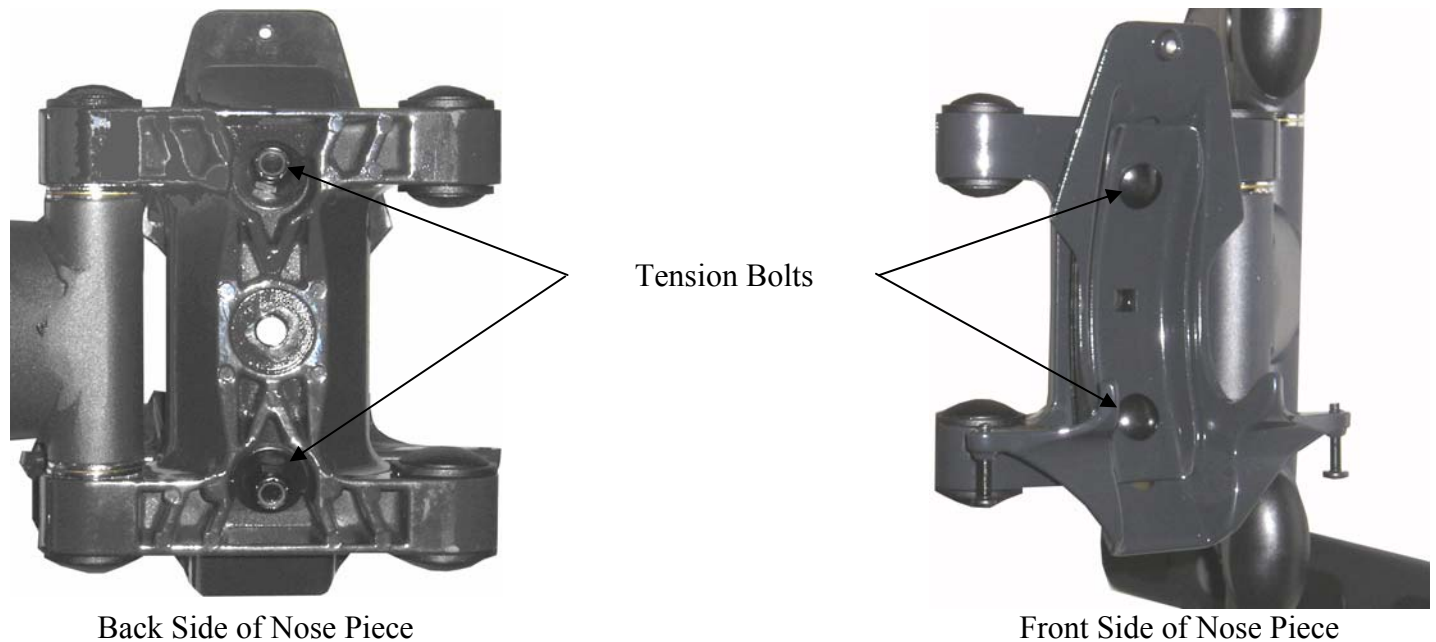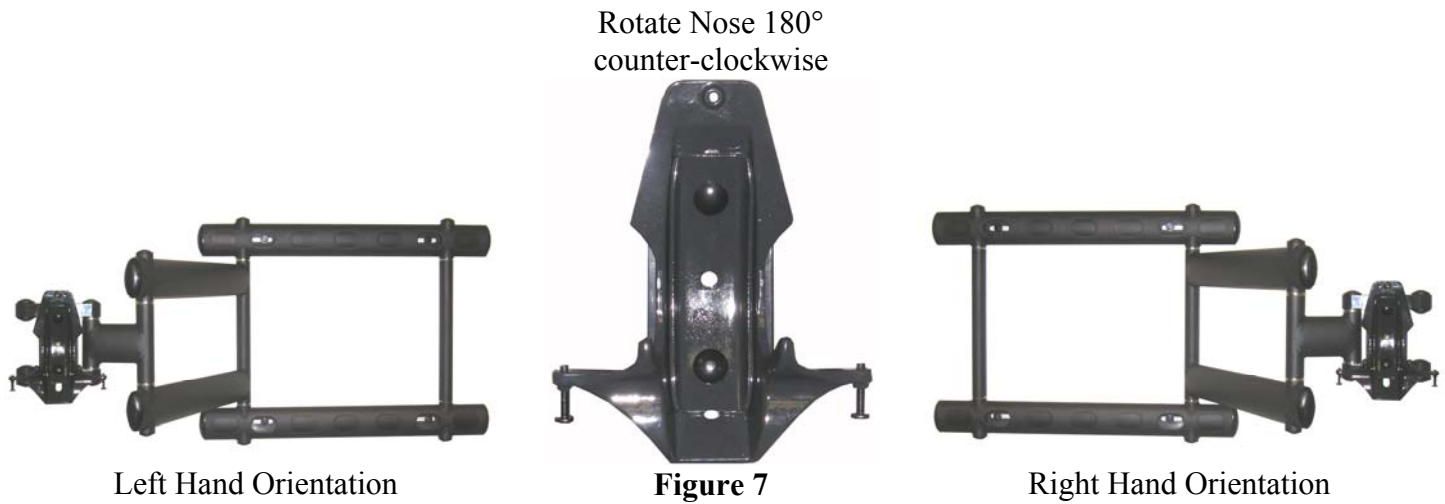
1. Once the mount has been oriented and mounted to the wall, remove the nose piece by removing the tensions bolts.

    NOTE: After loosening the tension bolts, be sure that the nose piece is held together tightly before rotating.

2. Detach the nose piece assembly, rotate 180°, and place back onto the mount (Figure 7).
3. Slide the tension bolt back into the holes and attach the nuts from the backside of the nose assembly. Tighten the tension bolts. (Figure 8).

Universal Mounting Bracket Assembly

1. Place the universal bracket bar and the universal brackets on a flat surface.
2. Slide the universal brackets onto the universal bracket bar (as shown in Figure 9) with the set screws facing up. At this time, do not tighten the set screws that are located on the universal bracket.
3. Place the display on a soft, flat surface, face-down. Next, place the universal bracket assembly on the back of the display, with the universal brackets resting directly over the display mounting points.
4. Once the desired position has been determined, place the Griplate™ over each mounting point (dimples facing up) and secure them using the appropriate hardware (see Page 5).

    NOTE: If spacers are to be used, they must be placed between the display surface and the universal mounting brackets.
5. At this time, center the universal bracket bar and tighten the set screws that are located on the universal brackets.

    NOTE: For the two upper mounting points, the dimples (Griplate™) must be facing up. For the two lower mounting points, the dimples (Griplate™) must be facing down.
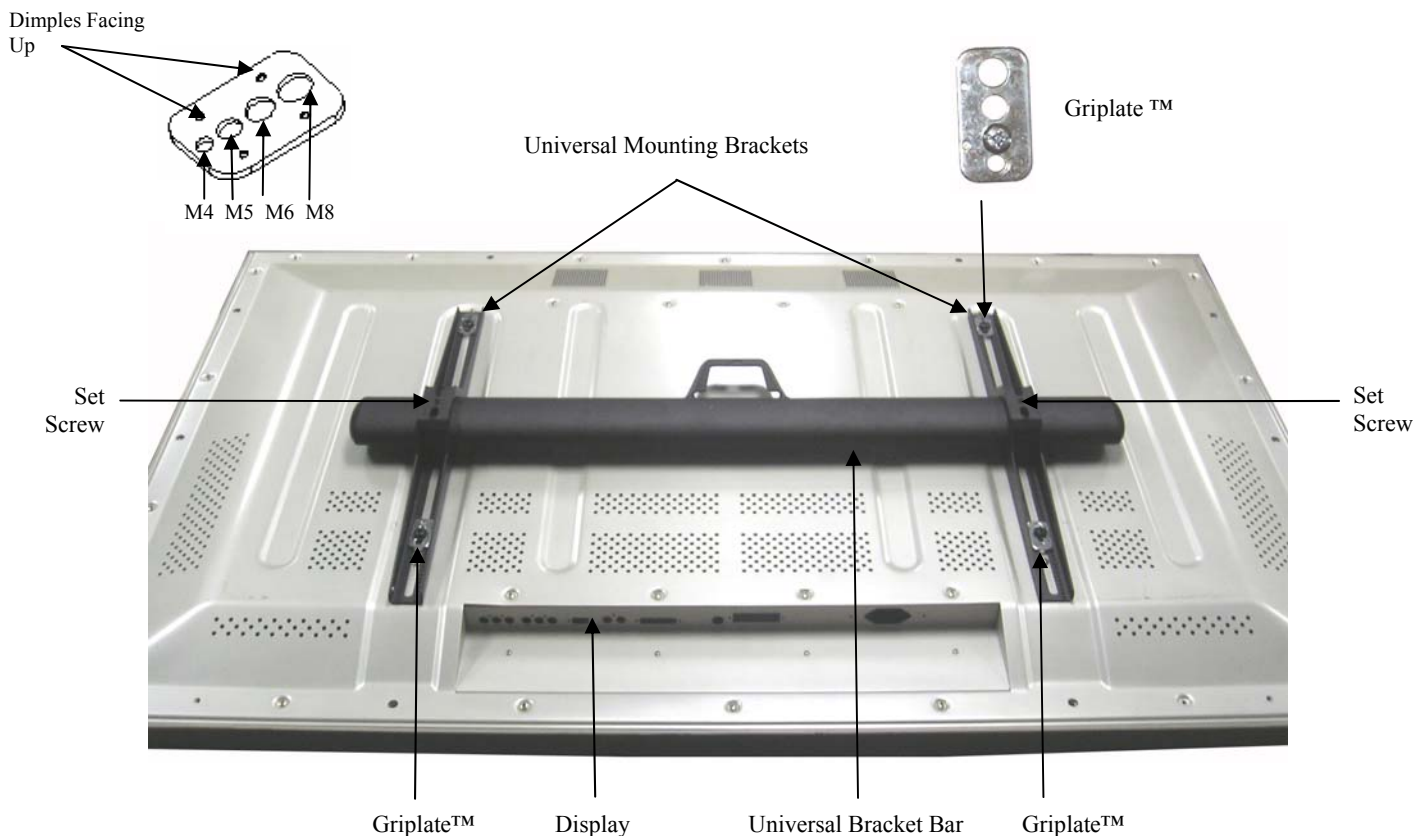
Figure 9

Attaching the Display

WARNING: ONCE THE UNIVERSAL BRACKET BAR ASSEMBLY HAS BEEN ATTACHED TO THE DISPLAY, IT IS RECOMMENDED THAT TWO PEOPLE MOUNT THE DISPLAY, AS THE UNIT IS HEAVY AND, IF DROPPED, WILL DAMAGE THE MOUNT, THE DISPLAY, AND/OR PERSONNEL.

Universal Bracket

Universal Bracket Bar

Swingout Arm Nose Piece
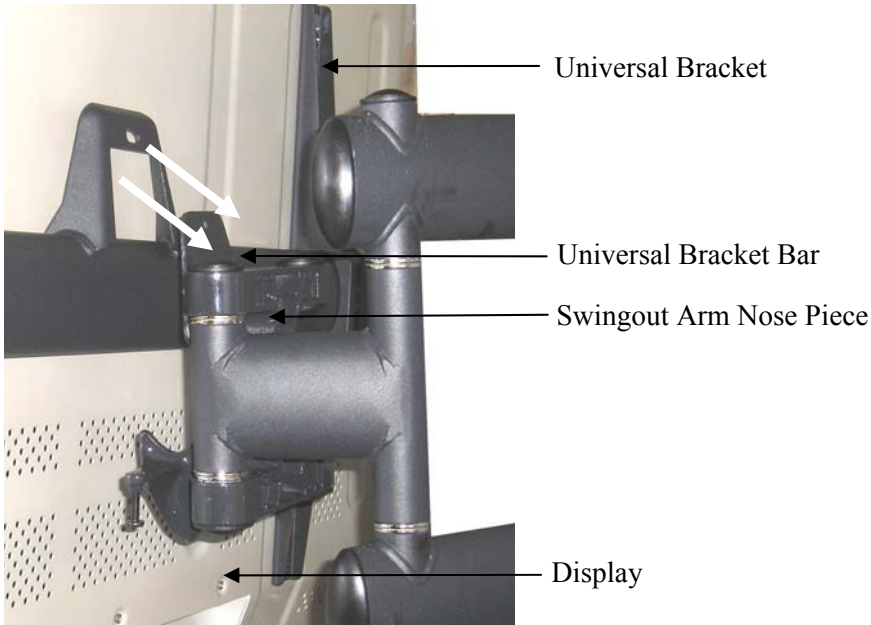
Display

Figure 10

Figure 11

1. Slide the display assembly onto the nose piece of the swingout arm.

Figure 12

2. This is how the units will look when properly fitted together.

Figure 13

3. Use the M6 x 12mm Phillips Head screw to lock the two units together. Tighten the screws.

Securing the Display

Once the two units have been secured together, the two (2) M6 x 30mm Phillips Head locking screws must be installed in the noted location (Figure 14) to prevent any movement.

M6 x 30mm Phillips Head Screw (Attached)

AM3-B Nose Piece

Universal Bracket Arm Bar

M6 x 30mm Phillips Head Screw (Attached)

Swingout Arm
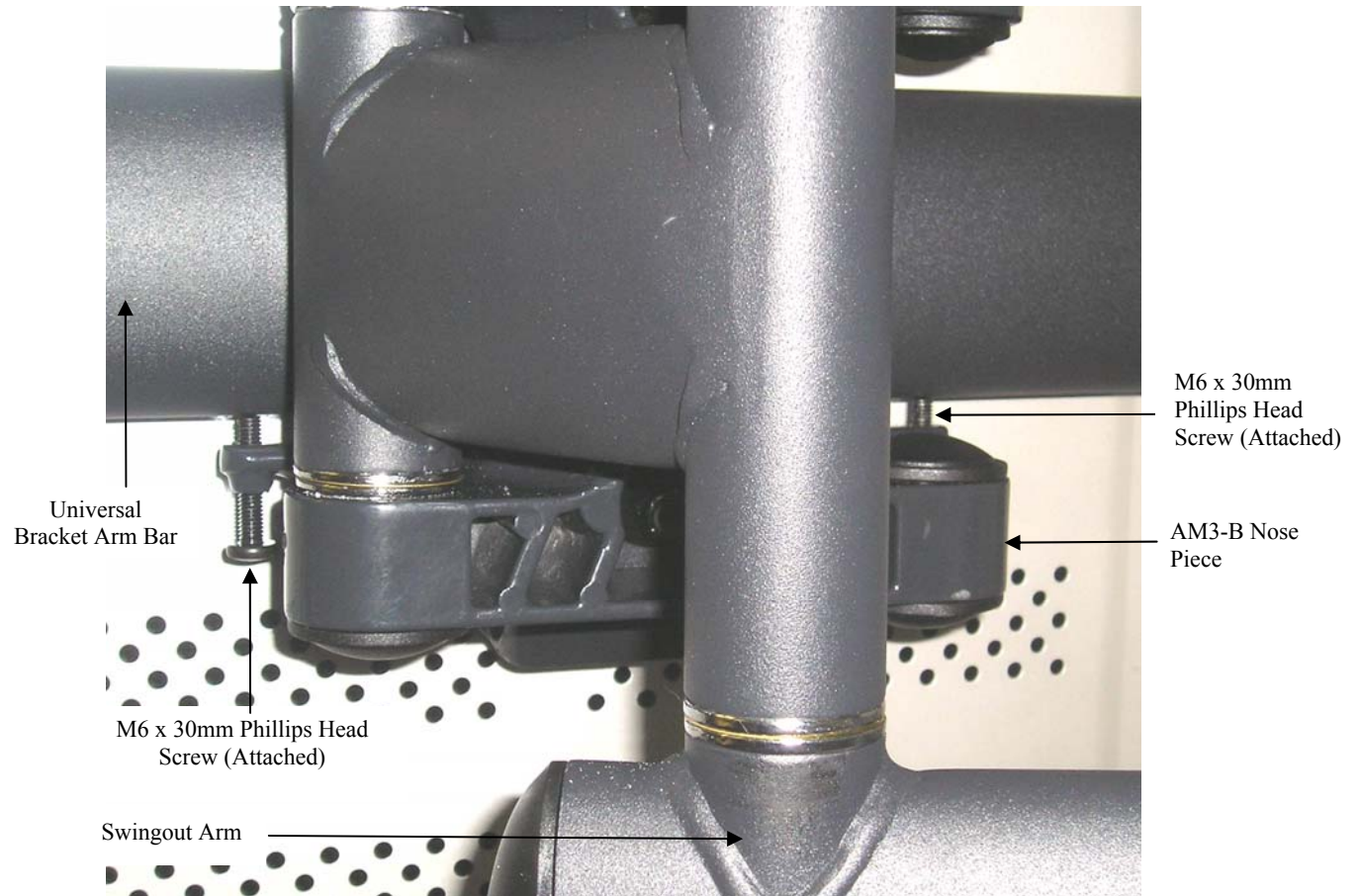
Figure 14

Tilt Positioning

NOTE: To adjust the display, loosen the tension bolts no more than ½ turn, make the adjustments and then tighten the tension bolts.

When tilt positioning is needed to adjust the display, place a hand at the top corner of the display and the other hand at the bottom of the display (Figure 15).

To Tilt the Display

Gently push both hands inward. This motion will cause the display to tilt forward.

To Tilt the Display Back

Gently push both hands outward. This motion will cause the display to tilt forward.

Tilt / Pivot Point

Figure 15

Cable Access Holes

Once the display has been mounted and adjusted, route the cables through the cable access holes and to their respective locations (Figure 16).

Cable Access Holes

Figure 16

Technical Specifications

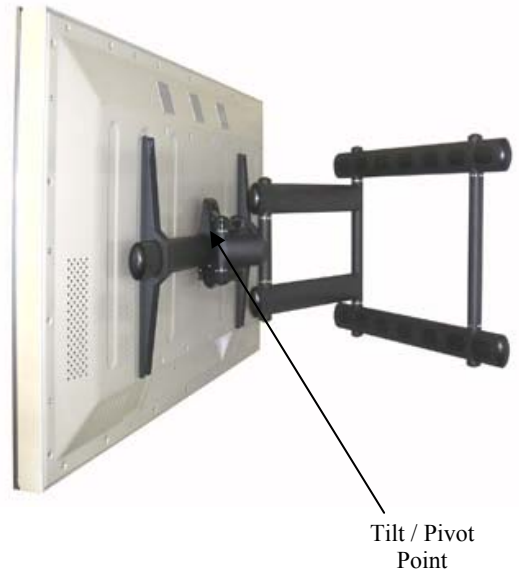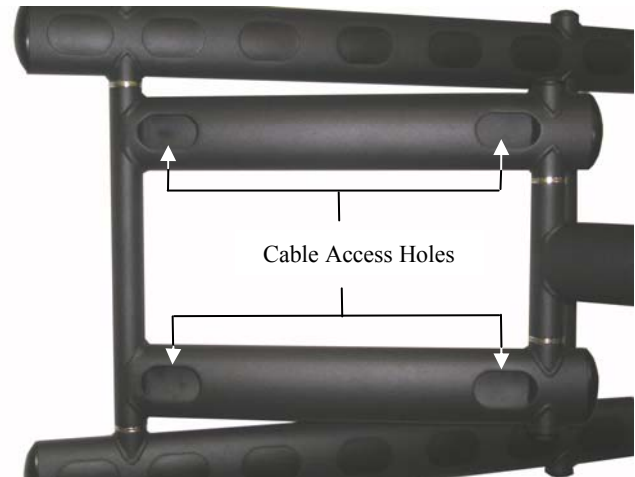All measurements are in inches(mm).

3.50
(88.9)

29.50
(749.3)

26.00
(660.4)

36.50
(927.1)

29.50
(749.3)

16.50
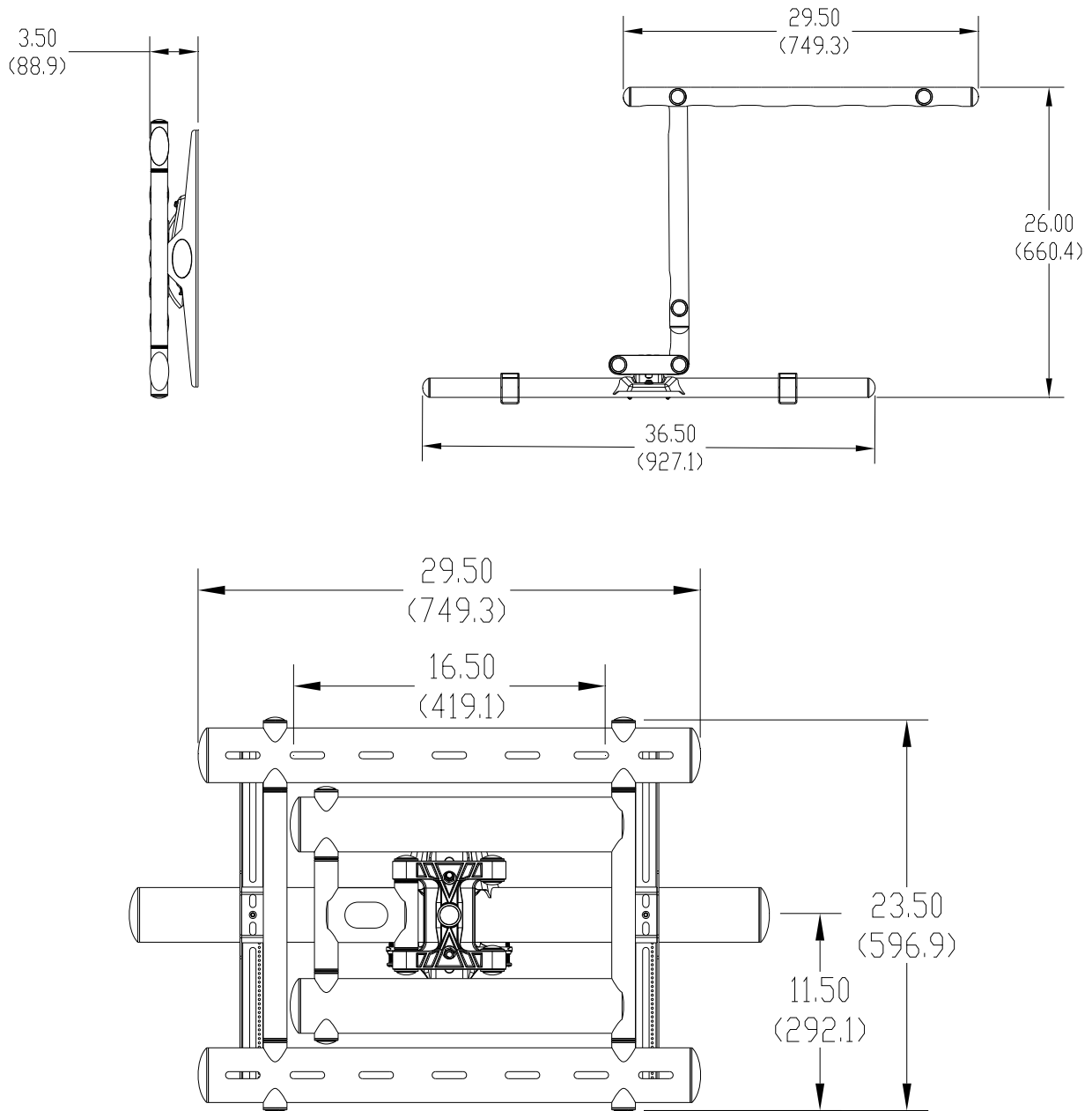(419.1)

23.50
(596.9)

11.50
(292.1)

Figure 17

Warranty

<u>Limited Lifetime Warranty</u>

All Premier Mounts products carry a limited lifetime warranty from ship date against defects in materials and workmanship. Premier Mounts is not liable for improper installation that results in damage to mounts, adapters, display equipment or personal injury.

<u>DISCLAIMER OF WARRANTY</u>
THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Contact Premier Mounts
In the event of missing and/or damage equipment, or technical questions, the following information can help in the completion of the installation.

Customer Service – (800) 368-9700
Technical Support – techsupport@mounts.com

Notes

NORTH AMERICA	EUROPE	AUSTRALIA, NEW ZEALAND, OCEANIA (Distributor)
3130 East Miraloma Avenue	Swallow House,	P.O. Box 295
Anaheim, CA 92806 USA	Shilton Industrial Estate,	Mordialloc Victoria 3195
USA and Canada –	Shilton, Coventry, England CV79JY	Australia
Phone: 800-368-9700	Phone: +44 (0) 2476 614700	Phone: 03 9586 6330
Fax: 800-832-4888	Fax: +44 (0) 2476 614710	www.premiermounts.com.au

Other Locations – Phone: (001)-714-632-7100; Fax: (001)-714-632-1044

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AM3 Installation Template

18.00
(457.20mm)

24.00
(609.60mm)

16.00
(406.40mm)

16.00
(406.40mm)

One of these mounting slots must be used for installation

18.43
(468.12mm)

Center of Screen

◎
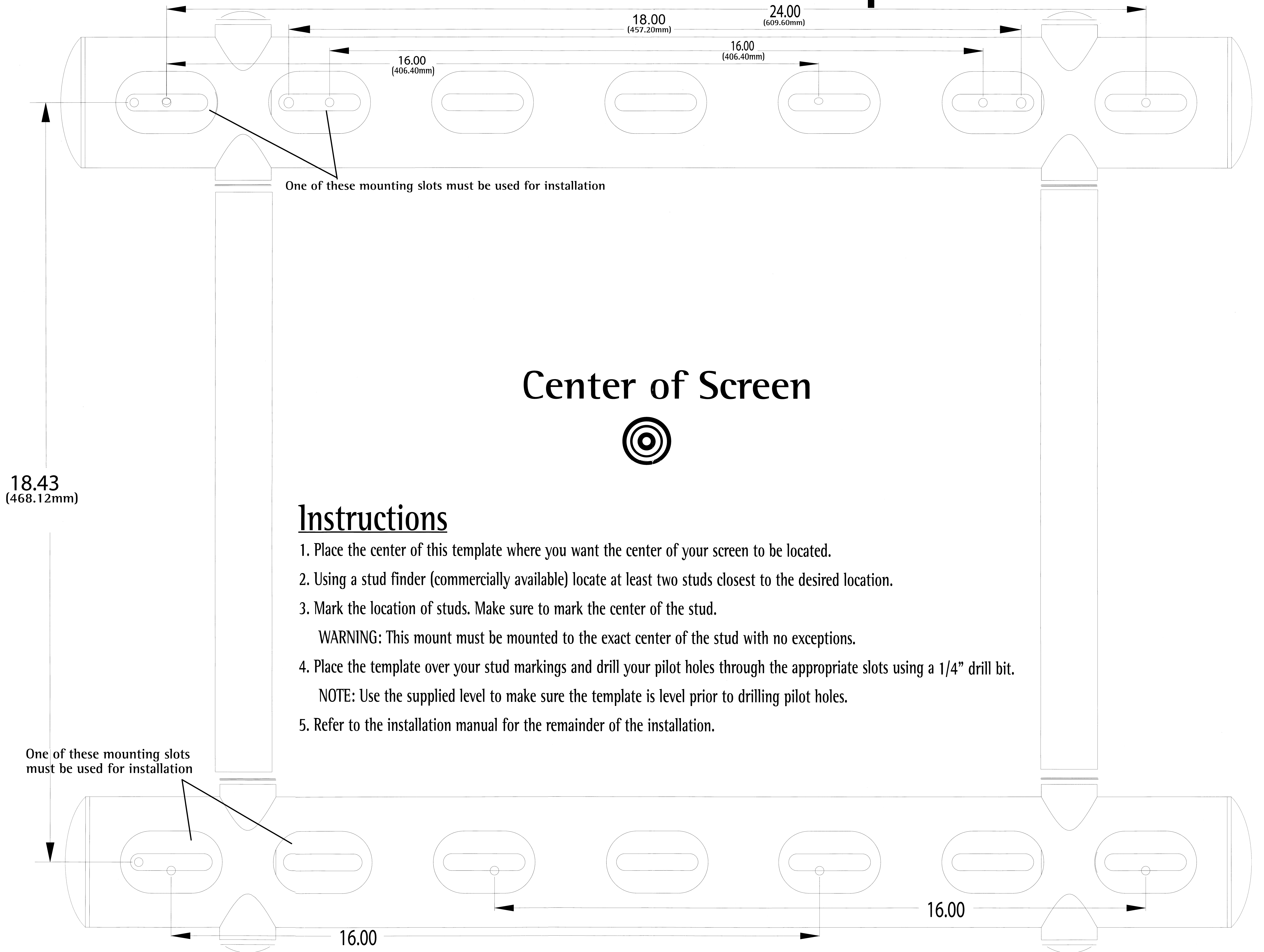
Instructions

1. Place the center of this template where you want the center of your screen to be located.

2. Using a stud finder (commercially available) locate at least two studs closest to the desired location.

3. Mark the location of studs. Make sure to mark the center of the stud.

   WARNING: This mount must be mounted to the exact center of the stud with no exceptions.

4. Place the template over your stud markings and drill your pilot holes through the appropriate slots using a 1/4" drill bit.

   NOTE: Use the supplied level to make sure the template is level prior to drilling pilot holes.

5. Refer to the installation manual for the remainder of the installation.

One of these mounting slots
must be used for installation

16.00

16.00

16.00